

### CLAIMS

1. An information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms that is communicably connected with multiple controlling systems that promote the growth or health of living organisms by controlling at least the light irradiated on the living organisms by a light irradiating means, comprising:

  - an environmental data receiving part that receives relevant environmental data as being data concerning an environment of the living organism including the light irradiated on the living organism from one of said controlling systems;
  - an environmental data administrating part that administers the environmental data received by the environmental data receiving part;
  - an environmental data delivering part that obtains the environmental data administered by the environmental data administrating part and delivers the environmental data to another controlling system; and
  - a royalty data producing part that produces royalty data concerning royalties in relationship to a controlling system identifier that identifies the one controlling system when the environmental data is received or delivered.
  
2. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to Claim 1 further comprising:

  - a state data receiving part that receives state data as being data concerning the state of the culture or cure of living organisms;
  - a state data administrating part that administers the state data received by the state data receiving part; and
  - a state data delivering part that delivers a part or all of the state data administered by the state data administrating part to another controlling system.

3. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to either Claim 1 or 2 further comprising:

- 5 a payment data obtaining part that obtains payment data concerning payment or a guarantee of payment in compensation for the environmental data delivered in accordance with a controlling system identifier that identifies another controlling system requesting the environmental data, wherein the environmental data delivering part obtains the environmental data from
- 10 the environmental data administrating part and delivers the environmental data to the other controlling system identified by the controlling system identifier provided that the payment data obtaining part has obtained the payment data; and
- the royalty data producing part produces the royalty data in relationship to
- 15 the controlling system identifier of the one controlling system provided that the payment data obtaining part has obtained the payment data.

4. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to
- 20 any one of Claims 1 through 3 wherein the royalty data producing part produces the royalty data in accordance with the specific environmental datum or data delivered by the environmental data delivering part.

5. The information processing system for collecting data pertaining to
- 25 conditions that promote the growth or health of living organisms according to any one of Claims 1 through 4 wherein the royalty data producing part produces the royalty data in accordance with the amount of environmental data used.

6. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to any one of Claims 1 through 5 further comprising:

an assessment data obtaining part that obtains assessment data showing  
 5 assessment of uniqueness or effectiveness of the environmental data administered by the environmental data administrating part, wherein the environmental data delivering part delivers the environmental data provided that the contents of the assessment data obtained by the assessment data obtaining part meets a predetermined requirement.

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7. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to any one of Claims 1 through 5 further comprising

an assessment data obtaining part that obtains the assessment data showing  
 15 the assessment of the effectiveness of the environmental data administered by the environmental data administrating part, wherein the royalty data producing part produces the royalty data based on the content of the assessment data obtained by the assessment data obtaining part.

20 8. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to any one of Claims 1 through 7 wherein

the environmental data delivering part delivers source information indicating the one controlling system as being the source of the environmental data, with  
 25 this information being attached to the environmental data delivered to the other controlling system only if the content of the information concerning the permission to disclose the source, which is received from the one controlling system, is "can be disclosed".

9. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to Claim 2 wherein the state data includes image data obtained by imaging the relevant living organism.

10. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to Claim 9 wherein the state data delivering part delivers the image data included in the state data in the form of sequential images.

11. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to any one of Claims 1 through 10 further comprising:

- a fundamental environmental data storing part that stores a fundamental environmental datum or data in advance; and
- a fundamental environmental data delivering part that delivers this data.

12. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to any one of Claims 1 through 11 wherein the living organism is a plant.

13. A controlling system that controls data pertaining to conditions that promote the growth or health of living organisms that is communicably connected with the information processing system according to any one of Claims 1 through 12 comprising:

- an environmental data receiving part that receives an input of environmental data concerning the environment of the living organism cluding data concerning

the light being irradiated on the living organism;

a control means controlling part that controls one or multiple environment

control means that control the environment of the living organism, based on received environmental data; and

- 5 an environmental data transmitting part that transmits the environmental data to the information processing system.

14. A controlling system that controls data pertaining to conditions that promote the growth or health of living organisms, that is communicably  
10 connected with the information processing system according to any one of Claims 1 through 12 comprising:

a request signal transmitting part that transmits a request signal to the information processing system requesting delivery of environmental data that is specified by an environmental data identifier;

- 15 an environmental data receiving part that receives the environmental data delivered by the information processing system; and

a control means controlling part that controls one or multiple environment control means to control the environment of the living organism, based on the environmental data.

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15. The controlling system that controls data pertaining to conditions that promote the growth or health of living organisms according to either Claim 13 or Claim 14 further comprising:

- a measured environmental data receiving part that receives measured  
25 environmental data indicating measured values of the environment of the living organism from the environment measuring means that measures the relevant environment.

16. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to any one of Claims 13 through 15 further comprising:

5 a state data receiving part that receives state data as being data concerning the growth or health of the living organism from a living organism state measuring means that measures the state of growth or health of living organisms; and

a state data transmitting part that transmits the state data received by the state data receiving part to the information processing system.

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17. The information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to Claim 16 wherein the living organism state measuring means comprises an imaging means that images a part or all of the living organism.

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18. The controlling system that controls conditions that promote the growth or health of living organisms according to any one of Claims 13 through 17 wherein the environmental data delivered by the information processing system is so arranged as to be incapable of being copied externally.

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19. The controlling system that controls conditions that promote the growth or health of living organisms according to any one of Claims 13 through 18 wherein

25 the environment controlling means consists of at least a light irradiating means, and the light irradiating means comprises an arrangement multiple LEDs of at least one red LED, blue LED, green LED, white LED, infrared LED, and ultraviolet LED or any combination thereof.

20. The controlling system that controls conditions that promote the growth or health of living organisms according to any one of Claims 13 through 19 wherein

the environment control means comprises one or multiple LEDs, and a  
5 transparent solid pyramidal body arranged in front of the LEDs, and produces a curing effect such as promoting a hypnagogic state, mitigating pain or stiffness, or healing in subjects bathed in the light irradiated externally from the LEDs through the pyramidal body.

10 21. The controlling system that controls conditions that promote the growth or health of living organisms according to Claim 20 wherein the environment control means comprises a cylindrical casing that accommodates the LEDs and the pyramidal body, and is so arranged that the light is irradiated from a front end face of the casing and the front end face can be covered with a soft  
15 transparent or translucent cap.

22. The controlling system that controls conditions that promote the growth or health of living organisms according to any one of Claims 13 through 21 wherein the environmental data transmitting part transmits information  
20 concerning the permission to disclose the source information, that indicates which controlling system the environmental data is delivered from, in order to judge whether or not the source information is to be attached when the environmental data is delivered from the information processing system to the other controlling system.

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23. A method for collecting data pertaining to conditions that promote the growth or health of living organisms that makes use of multiple controlling systems that promote growth or health of the living organism by controlling at

the least the light irradiated on the living organism by a light irradiating means and an information processing system connected communicably with the controlling systems, wherein

the environmental data produced by one of the controlling systems concerning  
 5 the beneficial environmental parameters including the light irradiated on the living organism are administered by the information processing system so that the environmental data from the one controlling system can be delivered from the information processing system to any of the other controlling systems; and  
 royalty data concerning royalties is produced in relationship to a controlling  
 10 system identifier that uniquely identifies the one controlling system provided that the environmental data are delivered.

24. A program for collecting data pertaining to conditions that promote the growth or health of living organisms, wherein the controlling system  
 15 communicably connected with the information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to any one of Claims 1 through 12 comprises functions of:  
 an environmental data receiving part that receives an input of an environmental data as being data concerning environment of the living  
 20 organism including data of light irradiated on the living organism;  
 a control means controlling part that controls one or multiple environment control means to control the environment of the living organism base on the environmental data; and  
 an environmental data transmitting part that transmits the environmental  
 25 data to the information processing system.

25. A program for collecting data pertaining to conditions that promote the growth or health of living organisms, wherein the controlling system



communicably connected with the information processing system for collecting data pertaining to conditions that promote the growth or health of living organisms according to any one of Claims 1 through 12 comprises functions of:  
an environmental data receiving part that receives the environmental data;

5 and

a control means controlling part that controls one or multiple environment  
control means controlling environment of the living organism based on the  
environment controlling data.